

Page Denied

Next 15 Page(s) In Document Denied

SECRET

attachment a/s --

SECRET

TECHNOLOGIES FOR A NEW AGENCY ERA



Systems Engineering Group
Office of Data Processing

25X1

SECRET

AGENDA

- o Introduction
- o Current Environment
- o Electronic Mail
- o New Technology
- o New Developments in the Agency
- o Implications of Technology
- o Cautions (Security)
- o Conclusions

SECRET

INTRODUCTION

o Caveats

- ODP Perspective
- Perspective
- Naive view of field
- "Information Factory"

25X1

SECRET

ELECTRONIC MAIL (AIM)

- o Document Handling

- Creation, Routing, Storage,
Sharing, Searching, Reference, etc.

- o Agency Model

- FROM, THRU, CC, etc.

- Security

- o Models, "Aliases"

- o Forms

- o Social Aspects

- Universal
 - "Conferences"
 - Non-simultaneous
 - Big Brother
 - Electronic Junk Mail

SECRET

CURRENT ENVIRONMENT

Headquarters

o Computer Centers

25X1

- Northside
- Special
- (very special)

o Services

- Batch
- Timesharing
- Data Base Management
- Word Processing (WANG)
- Electronic Mail (AIM)

SECRET

CURRENT HQ ENVIRONMENT

- o Dual Cultures
 - Delta Data
 - Wang word processors
- o Networking
- o Printing

SECRET

FIELD COMPUTING ENVIRONMENT

- o Teletype (M28, etc.)
- o Craft
- o Wang PC's

SECRET

NEW TECHNOLOGY

Personal Computers

- o Spread Sheet
- o Word Processing
- o Database Management
- o Graphics
- o Outliners
- o Communications
 - Terminal Emulation
 - Mainframe/Micro Connection
 - "Cooperative Processing"

SECRET

NEW TECHNOLOGY

o **Sophisticated Workstations**

- Golden Tiger

- NPIC Sun

o **Local Area Networks**

o **Mass Storage (Optical Disks)**

o **Electronic Hardcopy**

Wang PIC

FILENET

o **Packet Switched Communications**

o **Non-impact Printing**

o **Wang Developments**

o **Text Search**

SECRET

NEW DEVELOPMENTS

SAFE

- o Cable Reception
- o Document Storage
- o Private Indexing
- o Text Search
- o Word Processing (HBWP)
- Finished Intelligence
- o Electronic Mail
- o Integration

SECRET

NEW DEVELOPMENTS

ALLSTAR Upgrade

- o **SAFE**
- o **Searches**
- o **Security**

New Administrative Systems

- o **Logistics**
- o **Finance**
- o **Personnel**
- o **Security**

SECRET

NEW DEVELOPMENTS

Mercury

- o x.25 Packet Switch
- o Datex Replacement
- o Automated message switch
- o Universal Interface
- o HQ Terminals in Field
Cable Network
- o MHF
- o OC/ODP Connection
- o Outbound Cables

SECRET

NEW DEVELOPMENTS

New Building Initiatives

o New Headquarters Communications

o New Terminal

Terminal

Word Processor

Personal Computer

Standard

SECRET

IMPLICATIONS OF TECHNOLOGICAL CHANGE

- o Field and Headquarters "closer"
- o More "unofficial" communications
(like secure voice)
- o Data entry/search against Headquarters files
- o Headquarters backup
Faster "burnout"
- o Elimination of rekeying
- o Reduced administrative manpower (mode?)

SECRET

CAUTIONS

- o Expense
- o Politics
 - (Headquarters intrusion)
- o Security
- o Loss of "command" authority
- o Poor Emergency Posture

SECRET

CONCLUSIONS

- o Office Automation is here
- o Major field change is Craft/Communications
- o Major HQ change is SAFE/PC
- o Need to plan for integration of Field/Hq
- o Slow Evolution
- o Culture Shock

SECRET